



COMMERCIAL GOVERNMENT & INDUSTRIAL SOLUTIONS SECTOR  
1301 E. ALGONQUIN RD.  
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PSB # 810-A  
APC # 218,225,448,482,509,675,676,680  
DATE: January 2002  
EXPIRES: June 15, 2002

**PSB # 810A CONTAINS THE FOLLOWING CHANGE FROM THE ORIGINAL PSB # 810**  
**The expiration date from N/A has changed to June 15, 2002**

**SUBJECT:** NEW QUANTAR POWER SUPPLIES

**MODELS AFFECTED:** ALL QUANTAR BASE/REPEATER AND HIGH POWER DATA BASE STATIONS.

**SYSTEMS AFFECTED:** CONVENTIONAL, TRUNKING, DATA

**PROBLEM:** Power Supplies TPN6184 and TPN6185 sometimes experience transistor failures. When this occurs, a loud "Pop" or "Bang" may be heard. These power supplies, which are sealed units and are not field repairable, must be sent in for Depot repair or replacement. The Customer or Service Shop **MUST** verify the Field Replaceable Unit (FRU) model number of the received power supply before installation is performed. If the FRU is a CPN1041 or CPN1042 the qualifications as stated in this bulletin **will apply**.

**SOLUTION:** Stations shipped from the factory prior to June 1997 had a TPN6184 or TPN6185 Power Supply Module. Stations shipped from June 1997 and forward contain either a CPN 1042 or CPN1041 Power Supply Module. The newer modules offer improved performance and reliability over the previous modules. The appropriate newer version supply should be used when replacing any failed older unit. This FRU package contains one of the newer modules, which may be substituted for an older module with the following qualifications:

.....**For stations running Software version 9.2 or higher or version 1.4.6 or higher for Data Base Stations,** the newer Power Supply Modules may be used in place of the older modules with 100% compatibility.

.....**For stations running Software version 9.1 or lower or version 1.4.3 or lower for Data Base Stations,** the newer Power Supply Modules may be used in place of the older modules with the following incompatibilities:

1. The new modules will continuously report a **PS\_FAN** diagnostic failure status message (saved in a status log file and accessible via the Radio Service Software (RSS). This does not necessarily indicate an actual fan failure.

2. At temperatures below -30\_C the new modules may report a **PS\_BAT\_CHR\_VOLT** diagnostic failure status message (saved in a status log file and accessible via the Radio Service Software (RSS).

3. When using the RSS Digital Metering function, the parameter **Battery Charger Voltage - AC Only** will read approximately 15% higher than the actual value when a newer Power Supply Module is installed in the station.

To eliminate the above incompatibilities and make the newer Power Supply Modules 100% compatible with your station, perform the following:

... **For Quantar stations with EPIC Station Control Boards,** upgrade your station software to version 9.2 or higher by ordering FLASHport Option X795.

... **For Quantar stations without EPIC Station Control Boards,** an upgrade to EPIC Station Control Boards is required to eliminate the incompatibilities.

... **For Quantar Data Base Stations**, upgrade your station software to version 1.4.6 or higher by contacting the System Support Center at 1-800 448-3245 and placing an order. Note that the above mentioned alarms will not be sent to the RNC (Radio Network Controller).

... **For Quantar stations operating in 2.7E systems**, you must upgrade your entire system software to eliminate the incompatibilities.

**NOTE:** For DataTAC DSS-III Data Stations, no upgrade is available at this time to eliminate these incompatibilities.

If applicable, enter this information or note this bulletin number and subject material in the appropriate equipment Instruction Manuals and make necessary schematic diagram changes. Enter this bulletin in the correct MASTER and CLASSIFIED INDICES for future reference. **Labor or parts warranty reference is limited to products sold and in use in the United States. For products sold or in use Internationally this bulletin is FOR INFORMATIONAL PURPOSES ONLY.**